

XPRESS ISO

TECHNICAL DATA SHEET
140317SCAN1E
(supersedes 071213CAN1E)

DESCRIPTION

XPRESS ISO is a composite of a modified bitumen membrane, mineral wool and a straight edge polyisocyanurate insulation board. The top surface of the modified bitumen membrane has either a sanded or thermofusible finish.

XPRESS ISO can be mechanically fastened with **SOPRIFIX FASTENERS AND PLATES** or adhered to the substrate with **COLTACK** or **DUOTACK** adhesive or hot bitumen.

PROPERTIES

MEMBRANES		
Properties	Standards	TYPICAL RESULTS
Membrane Dimensions	-	1 x 4.9 m (39 in x 16 ft – 1 in) 1 x 2.46 m (39 in x 8 ft – 1 in)
Membrane Reinforcement	-	Non-woven Polyester
Breaking Strength MD/XD	CAN/CGSB-37.56-M 9 th draft	17.0 / 12.5 kN/m
Ultimate Elongation, MD/XD	CAN/CGSB-37.56-M 9 th draft	60 / 65 %
Tear Strength	ASTM D5601	60 N
Cold bending - Initial - 90 days at 70°C	CAN/CGSB-37.56-M 9 th draft	-30°C -30°C
MINERAL WOOL		
Properties	Standards	TYPICAL RESULTS
Board Dimensions	-	0.91 x 4.88 m (3 x 16 ft)
Thermal Performance	-	R-2 (R-4 per in)
Surface Burning Characteristics	ASTM E 84	Flame Spread 3 Smoke Development 0
Water Absorption	ASTM C 209	<1.1 %
Compressive Properties	ASTM C 871/C665	14 psi
Linear Shrinkage	ASTM C 356	0.19 %
POLYISOCYANURATE INSULATION		
Meets the physical property requirements of ASTM C 1289, Type II, Class 3, Grade 2 and CAN/ULC S704.		
Properties	Standards	TYPICAL RESULTS
Thermal Resistance (LTTR) (RSI-Value (R Value) / 25.4 mm @ 24 °C) (RSI-Value (R Value) / 1 in @ 75 °F) 25.40 mm (1.00 in) 38.10 mm (1.50 in) 50.80 mm (2.00 in)	CAN/ULC S704-11	1.00 (R – 5.7) 1.50 (R – 8.6) 2.01 (R – 11.4)
Dimensional Stability	ASTM D 2126	< 2 % linear change
Compressive Strength	ASTM D 1621	138 kPa (20 psi)
Product Density	ASTM D 1622	32 kg/m³ (2.0 pcf)
Water Absorption	ASTM C 209	< 1 % by volume
Water vapour permeance	ASTM E 96	57.5 ng/Pa.s.m² (< 1 Perm)

(All values are nominal)

